## INTERNATIONAL SEARCH REPORT

International application No.

		PCT/JP	PCT/JP2004/012239	
	CATION OF SUBJECT MATTER  B01J3/00, B01J3/02, H05B33/1	O, HO5B33/14, C23C14/0	D, C23C14/24	
According to In	ternational Patent Classification (IPC) or to both nation	al classification and IPC		
B. FIELDS SE	EARCHED		<del></del>	
Minimum docui	mentation searched (classification system followed by control of the searched classification system followed by control of the search classification system f	classification symbols) 28, C23C14/00-14/58		
Jitsuyo Kokai J	itsuyo Shinan Koho 1971-2005 J.	oroku Jitsuyo Shinan Koho itsuyo Shinan Toroku Koho	1994-2005 1996-2005	
WPI/L	base consulted during the international search (name of (DIALOG)  NTS CONSIDERED TO BE RELEVANT	data base and, where practicable, search	terms used)	
<u> </u>			Τ	
Category*	Citation of document, with indication, where a		Relevant to claim No.	
$\overline{x}$	JP 2002-310302 A (Nichias Co 23 October, 2002 (23.10.02), (Family: none)	orp.),	$ \begin{array}{r} 1,2,4-6,8,\\  \hline 11-13\\ 3,7,9,10,\\  \hline 14-32 \end{array} $	
Y	JP 11-201288 A (Kabushiki Ka 27 July, 1999 (27.07.99), (Family: none)	isha Purovakku),	14-32	
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	cuments are listed in the continuation of Box C.	See patent family annex.		
"A" document do to be of part	gories of cited documents: efining the general state of the art which is not considered icular relevance	"T" later document published after the in date and not in conflict with the appli the principle or theory underlying the	cation but cited to understand invention	
"E" earlier application or patent but published on or after the international filing date  "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other		"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone  "Y" document of particular relevance; the claimed invention cannot be		
special reaso  "O" document rei	in (as specified)  ferring to an oral disclosure, use, exhibition or other means  iblished prior to the international filing date but later than the	considered to involve an inventive combined with one or more other such being obvious to a person skilled in the document member of the same patent	step when the document is hocuments, such combination he art	
17 Janu	completion of the international search ary, 2005 (17.01.05)	Date of mailing of the international ser 01 February, 2005		
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer		
Facsimile No		Telephone No		

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International application No.

		PCT/JP20	04/012239		
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Y	JP 9-189290 A (Kokusai Electric Co., Ltd 22 July, 1997 (22.07.97), (Family: none)	.),	9,25		
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